

INFORMATION DISCLOSURE STATEMENT

(Use several copies if necessary)

COPY

Applicant: Kamm, et al.

Filing Date:
March 23, 2001

Group:

U.S. PATENT DOCUMENTS

Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	Class	Subclass
	3,707,960	Freed	January 2, 1973	128	2.06
	3,783,859	Sauer, et al.	January 8, 1974	128	24
	4,527,549	Gabbay	July 9, 1985	128	1
	4,552,127	Schiff	November 12, 1985	128	1
	4,692,148	Kantrowitz, et al.	September 8, 1987	604	96
	4,966,849	Vallee, et al.	October 30, 1990	435	199
	5,218,954	van Bemmelen	June 15, 1993	128	24
	5,407,418	Szpur	April 18, 1995	601	104
	5,486,457	Butler, et al.	January 23, 1996	435	7.2
	5,496,262	Johnson, Jr., et al.	March 5, 1996	601	152
	5,554,103	Zheng, et al.	September 10, 1996	601	152
	5,997,540	Zheng, et al.	December 7, 1999	606	64
	6,076,013	Brennan, et al.	June 13, 2000	607	2
	6,078,235	Schebitz, et al.	June 20, 2000	335	220

U.S. PATENT APPLICATIONS

Examiner's Initials:	Serial Number:	Applicant:	Filing Date:	Group:	Art Unit:
			RECEIVED SEP 09 2003		

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Document No.	Country	Date	Translation	
				Yes	No
	WO 00/40740	PCT	13 July 2000		
	WO 95/01770	PCT	19 January 1995		

OTHER DOCUMENTS

Examiner's Initials	Citation (Including Author, Title, Date, Pertinent Pages, Etc.)
	Amsterdam, et al., "Clinical Assessment of External Pressure Circulatory Assistance in Acute Myocardial Infarction", <i>Am. J. Cardiol.</i> , 45 : 349, 1990.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)



Applicant: Kamm, et al.

Filing Date:
March 23, 2001

Group:

- | | |
|-------------------------|--|
| | Applebaum, et al., "Sequential External Counterpulsation Increase Cerebral and Renal Blood Flow", <i>American Heart Journal</i> , 133 (6): 611-615, 1997. |
| / | Arora, et al., "The Multicenter Study of Enhanced External Counterpulsation (MUST-EECP): Effect of EECP on Exercise-Induced Myocardial Ischemia and Anginal Episodes", <i>J. Am. Col. Cardiol.</i> , 33 (7): 1833-1840, 1999. |
| | Avolio, A.P., "Multi-Branched Model of the Human Arterial System", <i>Med. & Biol. Eng. & Comput.</i> , 18 : 709-718, 1980. |
| | Bai, et al., "A Simulation Study of External Counterpulsation", <i>Comput. Biol. Med.</i> , 24 (2): 145-156, 1994. |
| | Bai, et al., "Cardiovascular Responses to External Counterpulsation: A Computer Simulation", <i>Med. Biol. Eng. Comput.</i> 30 : 317-323, 1992. |
| | Berger, et al., "Arterial Wave Propagation Phenomena, Ventricular Work, and Power Dissipation. <i>Ann. Biomed. Eng.</i> 23 : 804-811, 1995. |
| | Berger, et al., "Differential Effects of Wave Reflections and Peripheral Resistance on Aortic Blood Pressure: A Model-Based Study", <i>Am. J. Physiol.</i> 266 : 35: H1626-H1642, 1994. |
| | Davies, "Mechanisms Involved in Endothelial Responses to Hemodynamic Forces", <i>Atherosclerosis</i> , 131 : S15-S17, 1997. |
| | Diamond, et al., "Tissue Plasminogen Activator Messenger RNA Levels Increase in Cultured Human Endothelial Cells Exposed to Laminar Shear Stress" <i>Journal of Cell Physiology</i> , 143 : 364-371, 1990. |
| | Holenstein, et al., "A Viscoelastic Model for Use in Predicting Arterial Pulse Waves", <i>J. Biomech. Eng.</i> 102 : 318-324, 1980. |
| RECEIVED | Hsieh, et al., "Shear Stress Increases Endothelial Platelet-Derived Growth Factor mRNA Levels" <i>American Journal of Physiology</i> , 260 : H642-H646, 1991. |
| SEP 09 2003 | Ichioka, et al., "Effects of Shear Stress on Wound-Healing Angiogenesis in the Rabbit Ear Chamber", <i>Journal of Surgical Research</i> , 72 : 29-35, 1997. |
| TECHNOLOGY CENTER #3700 | Kamiya, et al., "Adaptive Regulation of Wall Shear Stress Optimizing Vascular Tree Function", <i>Bull. Math. Biol.</i> 46 : 127-137, 1984. |
| | Kamm, et al., "Unsteady Flow in a Collapsible Tube Subjected to External Pressure or Body Forces", <i>J. Fluid Mech.</i> , 95 (1): 1-78, 1979. |
| | Lawson, et al., "Improved Exercise Tolerance Following Enhanced External Counterpulsation: Cardiac or Peripheral Effect? <i>Cardiology.</i> , 87 (4): 271-275, 1996. |
| | Lawson, et al., "Efficacy of Enhanced External Counterpulsation in the Treatment of Angina Pectoris", <i>American Journal of Cardiology</i> , 70 (9): 859-862, 1992. |
| | Lueptow, et al., "Circulatory Model Studies of External Cardiac Assist by Counterpulsation," <i>Cardiovascular Research</i> , 15 (8): 443-455, 1981. |
| | Malek, et al., "Fluid Shear Stress Differentially Modulates Expression of Genes Encoding Basic Fibroblast Growth Factor and Platelet-Derived Growth Factor B Chain in Vascular |



Form PTO-1449
(REV. 8-83)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket:
0492611-0375

In re Application No.
09/815,528

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Kamm, et al.

Filing Date:
March 23, 2001

Group:

	Endothelium" <i>Journal of Clinical Investigation</i> , 92 : 2013-2021, 1993.
	Mason, "The Ins and Outs of Fibroblast Growth Factors" <i>Cell</i> , 78 (4): 547-552, 1994.
	Mitsumata, et al., "Fluid Shear Stress Stimulates Platelet-Derived Growth Factor Expression in Endothelial Cells" <i>American Journal of Physiology</i> , 265 (1): H3-H8, 1993.
	Parmley, et al., "Hemodynamic Effects of Noninvasive Systolic Unloading (Nitroprusside) and Diastolic Augmentation (External Counterpulsation) in Patients with Acute Myocardial Infarction", <i>Am. J. Cardiol.</i> 33 : 819-825, 1974.
	Pedley, et al., "Energy Losses and Pressure Drop in Models of Human Airways", <i>Respiration Physiology</i> , 9 :371-386, 1970.
/	Soran, et al., "Enhanced External Counterpulsation in the Management of Patients with Cardiovascular Disease", <i>Clin. Cardiol.</i> 22 : 173-178, 1999.
	Soroff, et al., "External Counterpulsation, Management of Cardiogenic Shock After Myocardial Infarction", <i>J. Am. Med. Assn.</i> 229 : 1441-1450, 1974.
	Stettler, et al., "Theoretical Analysis of Arterial Hemodynamics Including the Influence of Bifurcations" <i>Annals of Biomedical Engineering</i> , 9 : 145-164, 1981.
	Suga, et al., "Instantaneous Pressure-Volume Relationships and Their Ratio in the Excised, Supported Canine Left Ventricle", <i>Circulation Research</i> , 35 : 1974.
	Suga, et al., "Determinants of Instantaneous Pressure in Canine Left Ventricle: Time and Volume Specification", <i>Circ. Res.</i> 46 : 256-263, 1980.
	Sumpio, "Hemodynamic Forces and the Biology of the Endothelium: Signal Transduction Pathways in Endothelial Cells Subjected to Physical Forces in Vitro" <i>Journal of Vascular Surgery</i> , 13 (5): 744-746, 1991.
	Suresh, et al., "Maximizing the Hemodynamic Benefit of Enhanced External Counterpulsation", <i>Clinical Cardiology</i> , 21 (9): 649-653, 1998.
	Young, et al., "Flow Characteristics in Models of Arterial Stenoses". <i>J. Biomechanics</i> , 6 : 547-559, 1973.
	Zheng, et al., Sequential External Counterpulsation (SECP) in China", <i>Transactions of the American Society of Artificial Internal Organs</i> , 29 : 599-603, 1983.

RECEIVED

SEP 09 2003

TECHNOLOGY CENTER R3700